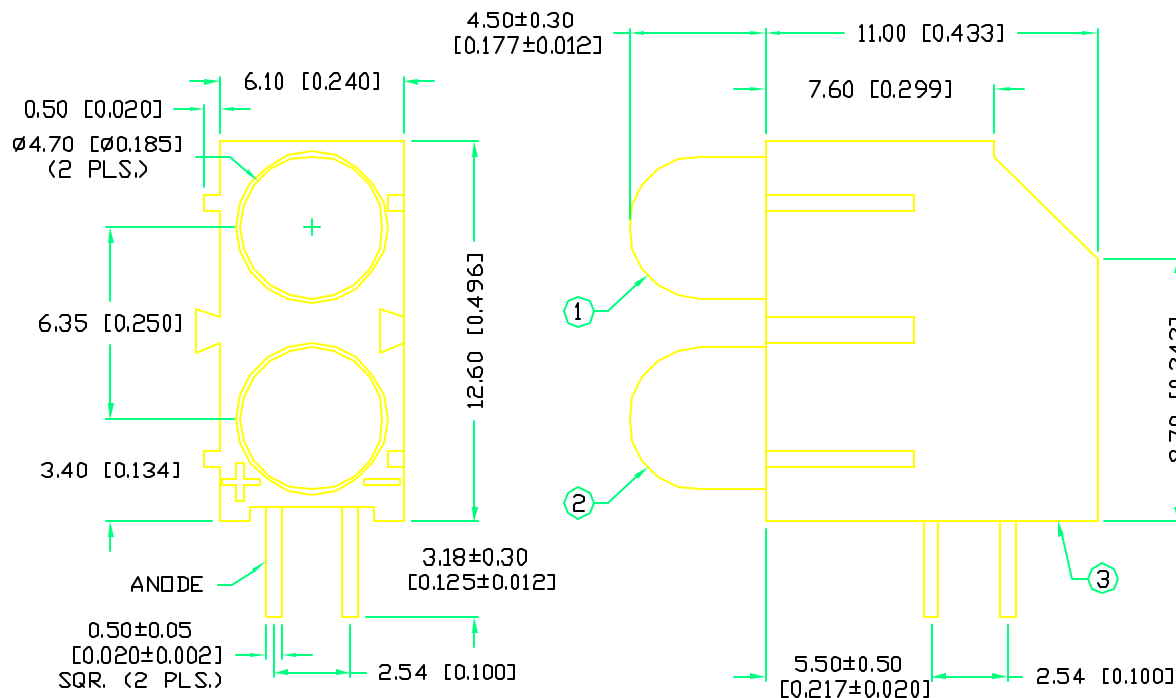


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXHM250IYD

REV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10113.	11-11-96
B	E.C.N. #10305.	2-5-97
C	E.C.N. #10500 & #10BRDR. & REDRAWN.	4-7-99



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH		635 (RED)		nm
		585 (YELLOW)		nm
FORWARD VOLTAGE (R/Y)		2.0/2.1	2.5/2.5	V_f
REVERSE VOLTAGE	5.0			V_r
AXIAL INTENSITY (R/Y)		40/30		mcd
VIEWING ANGLE		60		2x theta
EMITTED COLOR:	POSITION 1-RED			
	POSITION 2-YELLOW			
EPOXY LENS FINISH:	POSITION 1-RED DIFFUSED			
	POSITION 2-YELLOW DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

* $t < 10\mu\text{s}$

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
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WEB: HTTP://WWW.LUMEX.COM

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 11-29-96
BC			PAGE: 1 OF 1
			SCALE: N/A

T-5mm (T-1 3/4) LED, RIGHT ANGLE FAULT INDICATOR,
POS.1: 635nm RED LED, RED DIFFUSED LENS,
POS.2: 585nm YELLOW LED, YELLOW DIFFUSED LENS.

Mouser Electronics

Authorized Distributor

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